

Figure 1: TOOL PRODUCTION PROCESSES

Traditional Process: Lengthy, requiring master

Boeing Process: Assembly using different adhesive and hand applied paddies

Present Invention: Streamlined process Using a machine dispensed curable paste

5 which is both adhesive and a machinable coating

Traditional process

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Mold made from boards
or SMP in normal
manner

Laminate applied with
backing structure

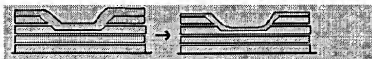
Laminated tool
produced

Boeing process

Honeycomb stacked
together and cured

Patties applied by hand
and cured

Patties cut to give final
tool

New patent

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Honeycomb stacked and
stuck together with SMP

Part cured and then cut
to give final tool